

ABSTRACT

An apparatus that is capable of performing at least some of the physical operations that are used in conjunction with growing cells in cell-cultivation flasks. The operations performed include one or more of the following: receiving a plurality of cell-cultivation flasks, re-orienting the flasks; agitating liquid within the flasks, and knocking the cell-cultivation flasks to loosen cellular material within the flasks. In accordance with the illustrative embodiment, re-positioning is implemented using a movable platform that cooperates with guides, and a drive that moves the movable platform. In some embodiments, the guides are implemented as slots in a frame. In some embodiments, a single drive is used to conduct all operations.